

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/000056

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H02M 7/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6 H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KR, JP as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 2001-0113414 A (Korea Electrical Safety Co.) 28 Dec 2001 (abstract and figure 1)	1 - 13
A	JP 2003-0337160 A (Densei Ramuda, Inc.) 28 Nov 2003 (abstract and figure 1)	1 - 13
A	JP 1998-0111334 A (HakuZan Seisakusho, Inc.) 28 Apr 1998 (abstract and figure 1)	1 - 13

 Further documents are listed in the continuation of Box C. See patent family annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

16 OCTOBER 2004 (16.10.2004)

Date of mailing of the international search report

18 OCTOBER 2004 (18.10.2004)

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